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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

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(71)Applicant:

CANON INC

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(72)Inventor:

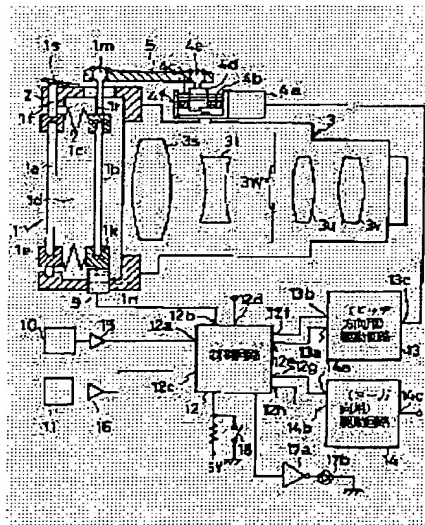
SUGIMORI MASAMI
CHIAKI TATSUO

(54) VIBRATION PREVENTING DEVICE

(57)Abstract:

PURPOSE: To save power consumption by stopping power supply after moving a correction means to a prescribed position by an actuator at the time of no vibration.

CONSTITUTION: Stepping motors 4 and 6 are moved to a primary position by way of driving circuits 13 and 14 by throwing power source and when a vibration preventing switch 18 is ON, angular velocity signals in the directions of a yaw and a pitch are fetched from vibration gyroes 10 and 11 through buffer amplifiers 15 and 16 to be A/D converted and integrated to be angular displacement signals. By driving the motors 4 and 6, the yaw angle and the pitch angle of a variable apex angle prism 1 is set to prevent vibration. Thus, an optical correction means is moved to a prescribed means to be fixed to the position by the torque of the actuator 17b, etc., so as to stop power supply to the actuator. Thereby, vibration preventing operation can be executed without being affected by a nozzle level so that power consumption can be saved.



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